



Power Division

Organized in 1920, when ASME membership had grown to over 13,000 and it was decided to set up several divisions to better advance related professional activities.

Part of the Energy Conversion Group (ECG), within Knowledge & Communities.

Dedicated to the generation and use of steam and hydropower. It provides a forum for engineers that are interested in the operations, maintenance, design, fuels, combustion technology, equipment selection, economics, environmental issues, research and education related to power generation.

Products include a conference (ASME Power), meetings, classes, various publications, awards, and student scholarships. A very active committee structure, which provides extensive opportunities for members within specific areas of the power industry to network and share best practices.

To better serve the needs of members and customers working in the power industry, the Power Division and Fuels & Combustion Technologies Division merger now serves member/customer interests in every phase of power production.

Mission

The Power Division will continue to provide its membership and the power and related industries with vitally important technical and professional information and support by concentrating on the Division's strengths, modifying current practices, implementing new concepts, and continuing to listen to the concerns and suggestions of its membership.

- Power Division Technical Committees
 - Turbines, Generators and Auxiliaries
 - Steam Generators and HRSG's
 - Systems & Power Generation Facilities Design
 - Plant Operations
 - Combined Cycles Power Plants
 - Heat Exchangers
 - Reliability, Availability & Maintainability
 - Hydro Power
 - Fuels & Combustion Technologies
- Power Division Administrative Committees
 - Education and Research
 - Honors and Awards
 - International Relations
 - Program Coordination
 - Public Affairs

Continuing Education

- Power Division promotes and participates in short courses.
- Additional material is available as:
 - CD ROMs
 - Videos
 - ASME Press Books and publications

Resource Publications

The Power Division partners with Energy Tech Magazine to provide a special section highlighting technical issues. In addition, the Power Division promotes and encourages contributions to the Societies library of available material. Publications include:

- Conference Publications:
 - Power
 - Gas Turbines
 - Nuclear Engineering
 - Fuel and Combustion Technologies
 - Solar Energy
 - General Interest Books
- ASME Press Books
 - Power
 - Pressure Vessels and Piping
 - Heat Transfer
 - General Interest
- Journals
 - Journal of Engineering for Gas Turbines Power
 - Journal of Energy Resources Technology
 - Journal of Heat Transfer
 - Journal of Pressure Vessel Technology
 - Journal of Solar Energy Engineering
 - Journal of Turbomachinery
 - Journal of Dynamic Systems, Measurement and Control
- Research Projects Publications

Honors and Awards

The Power Division promotes members to a Fellow Grade of Membership to recognize continuing contributions to the Society and the field of Mechanical Engineering. In addition, the Division participates in the following Society Awards:

- Prime Movers Committee Award
- James N. Landis Award
- Melville Award
- George Westinghouse Medal
- James Harry Potter Gold Medal
- Student Scholarships – Hydro Award
- ASME Power Division Student Scholarship
- Soichiro Honda Medal

Power Division Core Competencies

- Conference preparation and implementation.
- Technical expertise of members
- Support of Initiative within the Power Industry

Conferences & Educational Products

- ASME Power: The Power Division organizes the yearly ASME Power Conference & Exhibition. This conference, held at various locations throughout the country, supports the information and networking needs of the Electric Utility, Power Industry, A&E, Equipment/Service Supplier, Government, and University participants. The conference strives to be on the leading edge within the Power Industry through excellent technical content.
- Educational Products: The ASME Power Conference hosts various workshops on diverse topics relevant to the Power Industry. The Division promotes membership in student sections, sponsors Scholarships, and promotes early career forums.

Member and Volunteer Services

- Demographics - 20,701 Total Division 6,967 Primary
- Power Division Strengths
 - Strong conference participation
 - High quality papers and other presentation materials for our Conference
 - Dedicated hard working core group of volunteers.
- Power Division Weaknesses
 - Needs to improve liaison with Students and Educational Organizations.
 - Needs to improve methods and procedures for International Involvement.
 - Needs to develop additional ways to communicate technical information to the membership in addition to the conference format.
 - Needs to provide opportunities for our membership to contribute to the technical and administrative committees even if they cannot travel.